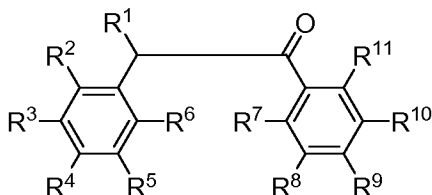


## LIST OF PENDING CLAIMS

1. (Cancelled)

2. (Previously presented) A photoresponsive fragrance composition comprising:

(a) a compound having the formula



wherein

R<sub>1</sub> is substituted ester (--OC(O)R<sub>12</sub>), substituted phosphate (--OP(O)(OR<sub>19</sub>)(OR<sub>20</sub>), substituted thiol (--S-R<sub>12</sub>), substituted amine (--NH-R<sub>12</sub>) or an other substituted chemical group covalently linked to a fragrance or fragrance molecule;

R<sub>2</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>3</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>4</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>5</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>6</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>7</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>8</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>9</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>10</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>11</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>12</sub>, is a fragrance or molecule that imparts a fragrance;

R<sub>19</sub> is a hydrogen and R<sub>20</sub> is a fragrance or molecule that imparts a fragrance; or

R<sub>19</sub> is a fragrance or molecule that imparts a fragrance and R<sub>20</sub> is a hydrogen;

wherein at least one of R<sub>2</sub> or R<sub>6</sub> is hydrogen;

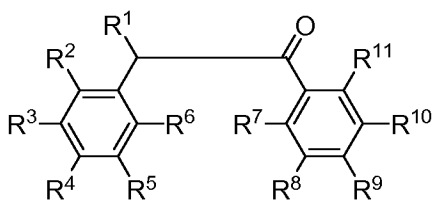
wherein at least one of R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, or R<sub>6</sub> is hydroxy or substituted alkoxy; and

(B) a carrier for topical administration to skin or hair or direct administration to articles of clothing and other textiles or via a washing or spraying method.

3. (Canceled)

4. (Previously presented) A composition useful for releasing fragrances of a desired scent comprising:

(A) a compound having the formula



wherein

R<sub>1</sub> is substituted ester (--OC(O)R<sub>12</sub>), substituted phosphate (--OP(O)(OR<sub>19</sub>)(OR<sub>20</sub>), substituted thiol (--S-R<sub>12</sub>), substituted amine (--NH-R<sub>12</sub>) or an other substituted chemical group covalently linked to a fragrance or fragrance molecule

R<sub>2</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>3</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>4</sub> is hydrogen, hydroxy alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>5</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>6</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>7</sub> is hydrogen, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>8</sub> is hydrogen, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>9</sub> is hydrogen, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>10</sub> is hydrogen, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>11</sub> is hydrogen, alkyl, aryl, alkoxy, or substituted alkoxy;

R<sub>12</sub> is a fragrance or fragrance molecule;

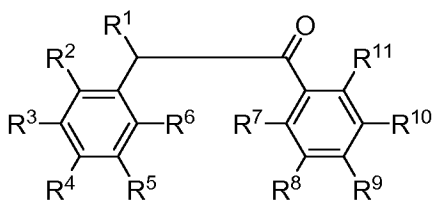
R<sub>19</sub> is hydrogen or a fragrance molecule; and

R<sub>20</sub> is hydrogen or a fragrance molecule

wherein at least one of R<sub>2</sub> or R<sub>6</sub> is hydrogen;

wherein at least one of R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> or R<sub>6</sub> is hydroxy or substituted alkoxy; and

- (B) a carrier for topical administration to skin or hair or direct administration to articles of clothing and other textiles or via washing or spraying.
5. (Original) The composition according to claim 4 further comprising an auxiliary fragrance agent having a different fragrance than the photoreleased fragrance.
6. (Original) The composition according to claim 4 further comprising a photo rearranged product having a desirable fragrance.
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Previously presented) A photoresponsive fragrance composition comprising:  
(A) a compound having the formula



wherein

- $R_1$  is substituted ester ( $--OC(O)R_{12}$ ), substituted phosphate ( $--OP(O)(OR_{19})(OR_{20})$ ), substituted thiol ( $--S-R_{12}$ ), substituted amine ( $--NH-R_{12}$ ) or an other substituted chemical group covalently linked to a fragrance or fragrance molecule.;
- $R_2$  is hydrogen, hydroxy,  $(C_{1-20})$ alkyl,  $(C_{5-12})$ aryl,  $(C_{1-20})$ alkoxy or substituted  $(C_{1-20})$ alkoxy;

R<sub>3</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>4</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>5</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>6</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>7</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>8</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>9</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>10</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>11</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>12</sub>, is a fragrance or molecule that imparts a fragrance

R<sub>19</sub> is hydrogen or a fragrance molecule

R<sub>20</sub> is hydrogen or a fragrance molecule

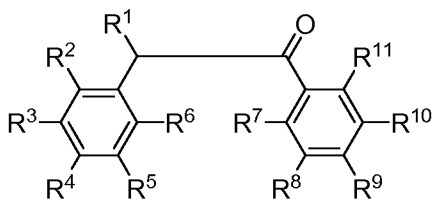
wherein at least one of R<sub>2</sub> or R<sub>6</sub> is hydrogen;

wherein at least one of R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, or R<sub>6</sub> is hydroxy or substituted (C<sub>1-20</sub>)alkoxy; and

(B) a carrier for topical administration or direct administration to articles of clothing and other textiles or via routine washing.

11. (Previously presented) A composition useful releasing a desired fragrance comprising:

(A) a compound having the formula



wherein

R<sub>1</sub> is substituted ester (--OC(O)R<sub>12</sub>), substituted phosphate (--OP(O)(OR<sub>19</sub>)(OR<sub>20</sub>), substituted thiol (--S-R<sub>12</sub>), substituted amine (--NH-R<sub>12</sub>) or an other substituted chemical group covalently linked to a fragrance or fragrance molecule.;

R<sub>2</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>3</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>4</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>5</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>6</sub> is hydrogen, hydroxy, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>7</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>8</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>9</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>10</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>11</sub> is hydrogen, (C<sub>1-20</sub>)alkyl, (C<sub>5-12</sub>)aryl, (C<sub>1-20</sub>)alkoxy, or substituted (C<sub>1-20</sub>)alkoxy;

R<sub>12</sub> is a fragrance or a molecule that imparts a fragrance

R<sub>19</sub> is hydrogen or a fragrance molecule

R<sub>20</sub> is hydrogen or a fragrance molecule

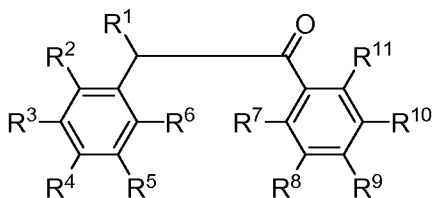
wherein at least one of R<sub>2</sub> or R<sub>6</sub> is hydrogen;

wherein at least one of R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> or R<sub>6</sub> is hydroxy or substituted (C<sub>1-20</sub>)alkoxy; and

(B) a carrier for topical administration or direct administration to articles of clothing and other textiles or via routine washing.

12. (Original) A photoresponsive fragrance comprising:

(A) a compound having the formula



wherein

R<sub>1</sub> is a fragrance molecule;

R<sub>2</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>3</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>4</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>5</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>6</sub> is hydrogen, hydroxy, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>7</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>8</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>9</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>10</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

R<sub>11</sub> is hydrogen, alkyl, aryl, alkoxy or substituted alkoxy;

wherein at least one of R<sub>2</sub> or R<sub>6</sub> is hydrogen;

wherein at least one of R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, or R<sub>6</sub> is hydroxy or substituted alkoxy; and

(B) a carrier for topical administration or direct administration to article of clothing and other textiles or via routine washing.

13. (Withdrawn – currently amended) A method of controlling the release of a fragrance by incorporating

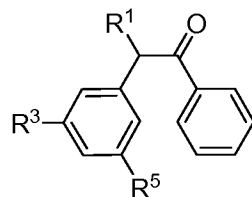
the compositions of any one of claims 2, 4, 5, 6, 10, 11, or 12~~1–12~~, into clothing or textiles by spraying the composition onto the clothing or textiles or washing the clothing or textiles in a solution of the composition.

14. (Withdrawn) A method according to claim 13, wherein the composition is sprayed onto the clothing or textiles.

15. (Withdrawn) A method according to claim 13, wherein the composition is incorporated into the clothing or textiles via washing.

16. (Previously presented) A composition according to any one of claims 2, 4, 5, or 6, wherein the composition is formulated for spraying onto the skin.

17. (Previously presented) A composition according to any one of claims 2, 4, 5, or 6, wherein the composition is formulated for rubbing onto the skin.
18. (Withdrawn – currently amended) A method of controlling the release of a fragrance by applying the compositions of any one of claims 2, 4, 5, 6, 10, 11, or 12~~1-12~~, onto the skin or hair of a mammal.
19. (Withdrawn) A method according to claim 16, wherein the mammal is a human.
20. (Withdrawn) A method according to claim 16, wherein the mammal is a companion animal.
21. (Previously presented) A composition according to any one of claims 2, 4, 5, 6, 10, 11, or 12, wherein the compound is of the formula:



22. (Previously presented) A composition according to claim 21, wherein the composition is formulated for spraying onto the skin.
23. (Previously presented) A composition according to claim 21, wherein the composition is formulated for rubbing onto the skin.